



Medical Planning, Resourcing, and Requirements Branch



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Medical Requirements Modernization

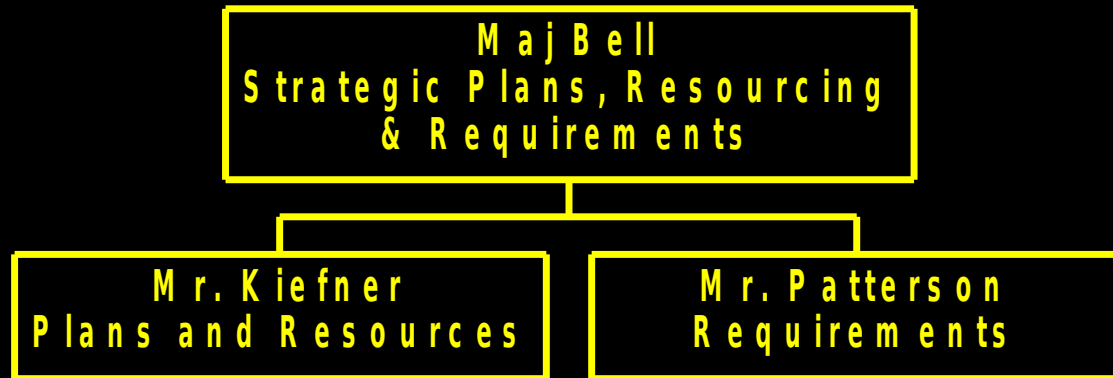


Medical Planning, Resourcing, and Requirements Branch

Mission: Define, Advocate, Plan,
Program and Budget for Health
Support Requirements That Improve
Combat Air Forces Future
Operational Capabilities



“Upper Cell” Overview



- Review, Develop, & Coordinate Strategic Guidance Documents
- Medical Portion of the Agile Combat Support (ACS) Mission Area Plan
- ACC/SG Mission Support Plan (MSP)
- Modernization POM Build
- Develop, Coordinate, Review & Advocate Requirements Documents
- Lead Operating Command for ACS Medical Systems
- Lead Operating Command for Medical NBC Passive Defense Requirements
- Lead for NBC Doctrine Development



DoD Decision Support Systems for Modernization

- Three Interlocking Systems
 - ***Planning, Programming and Budgeting System***
 - ***Requirements Generation System***
 - Acquisition Management Systems
- Focus on First Two Only



ACC Modernization Planning

- Long Range Planning and Modernization IAW:
 - AFPD 10-14, “Modernization Planning”
 - AFPD 10-9, “Lead Operating Command Weapon Systems Management”
 - AFI 10-1401, “Modernization Planning Documentation”
 - ACC MD 38-157 “ACC Corporate Structure Process”



ACC/SG Modernization Plans

- Guidance Documents
- ACC Strategic and Master Plan
- ACC/SG Mission Support Plan
- Agile Combat Support Mission Area Plan (ACS MAP)
- ACC POM

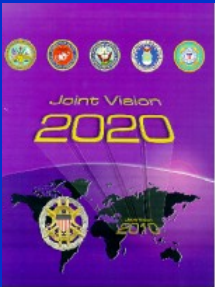
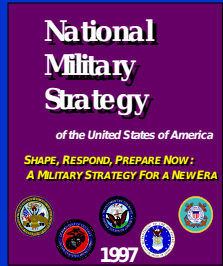


Review, Develop, & Coordinate Strategic Guidance Documents for ACC/SG

- Joint Vision 2020
- CINC Integrated Priority Lists
- Defense Planning Guidance
- Annual Planning Programming Guidance
- Air Force Program Projection
- AF/AFMS Strategic Plans



ACC Strategic and Master Plans



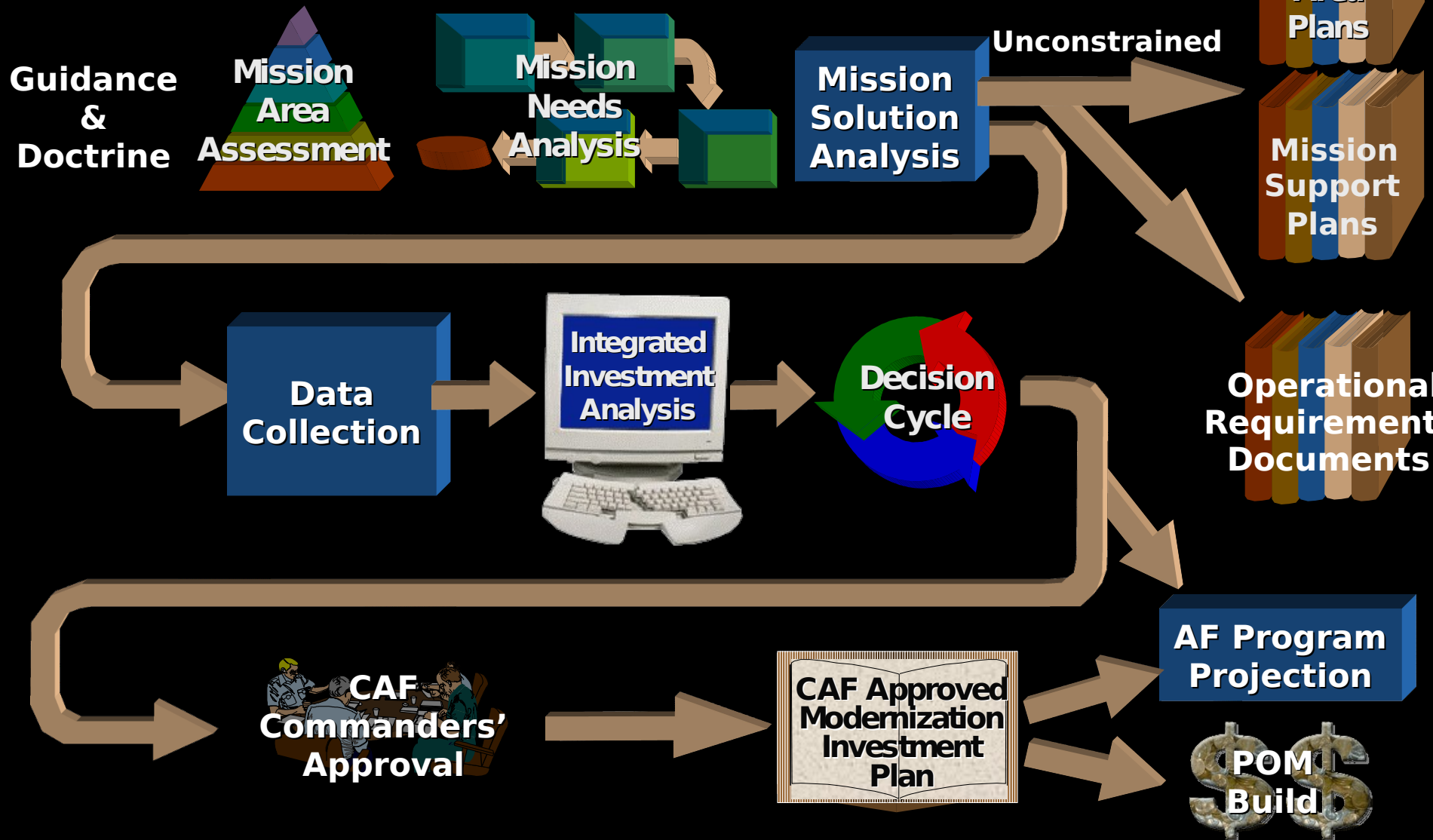
Higher HQs
Guidance

ACC Strategic
Planning
Process





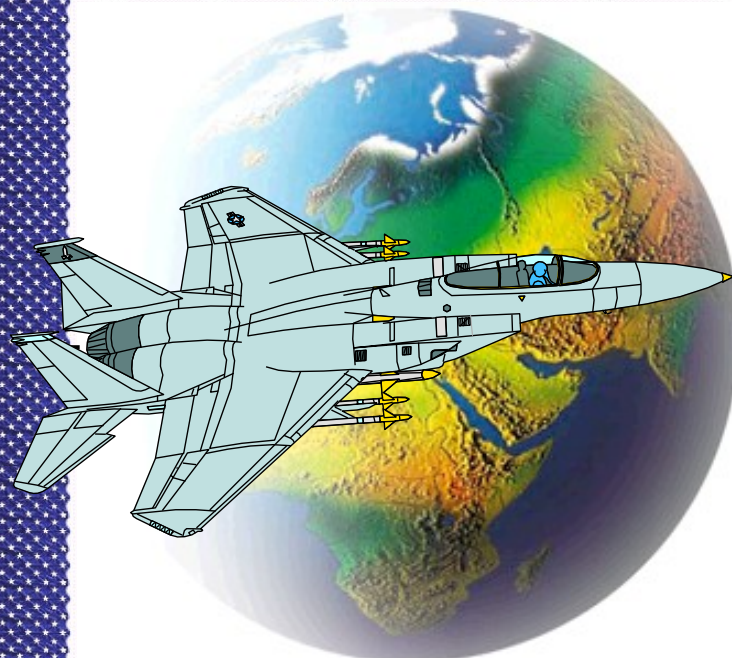
Modernization Planning Process





ACC/SG Modernization Planning Documents

Air Combat Command Command Surgeon Mission Support Plan



Brigadier General Klaus O. Schafer
Air Combat Command Surgeon
May 1999

Combat Air Forces



Agile Combat Support Mission Area Plan (U) FY2002

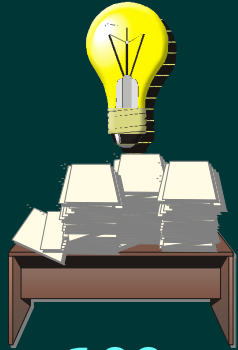
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Classified by Multiple Sources
Declassify On: OADR



The Modernization Dilemma



**100
Proposals**



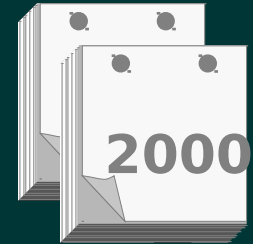
**Shrinking
Budget**

**More Programs
Than Dollars**

**Risk
Management**



**Near-term
vs
Far-term**



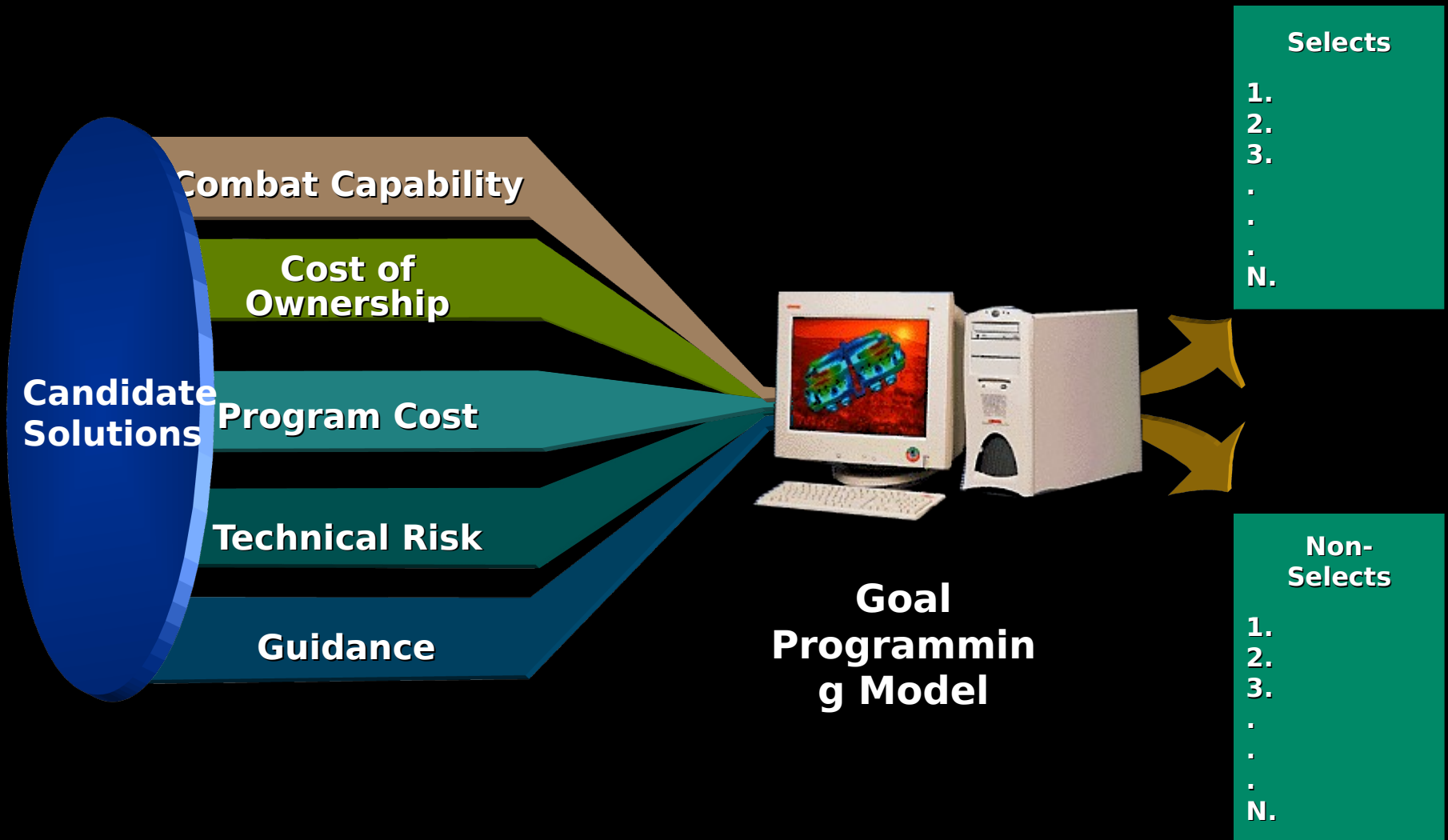
+ 25 Years



**Competing
Programs**



ACC Mission Investment Plan (MIP)





ACC/SG MIP Results FY02-07 POM

- #9 **RAPID**
- #23 Microlab System
- #28 **Hand Held X-Ray System**
- #70 Mobil Tentage ECU
- #118 LAN System for EMEDS
- #130 **Digital X-Ray System**
- #141 Casualty Evacuation/Amb Platforms
- #152 Latrine System for CHATH
- #196 Telemedicine
- #254 Hyperbaric Chamber
- #356 **Clinical Data Management System (GEMS)**
- #470 Alternative Medical Oxygen Supply System



Global Expeditionary Medical System (GEMS)

BACKGROUND:

Public Law 105-86 mandates the identification and tracking of changes in the human weapons system during the course of a deployment. There is no adequate deployed in theater electronic capture system.

ADJUSTMENT:

Expedites field identification of potentially harmful pathogens, and electronically assembles diverse medical diagnoses into a theater-level review tool for commanders

<u>FUNDING</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
CURRENT PROGRAM	21.8	22.8	22.0	24.3	0.0	0.0
ADJUSTMENT	7.0	7.2	4.1	1.7	1.6	1.6
REVISED PGM	28.8	30.0	26.1	26.0	1.6	1.6
TOTAL						

<u>PROCUREMENT</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>	<u>MANPOWER</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>
MSS NT	6	6	4	0	0	0	OFFICER	0	0	0	0	0	0
RAPIDS	10	4	2	0	0	0	ENLISTED	0	0	0	0	0	0
Diagnostics	3	22	0	0	0	0	CIVILIAN	0	0	0	0	0	0

IMPACTS:

CINC IPL: JFCOM, SOUTHCOM, USCINCCENT

DPG: YES

APPG: YES

-Supports CINC's Health Force Protection priorities

-Combats medical threats. Identifies and tracks significant medical events providing earliest warning of food/water borne illnesses and other high-threat agents (e.g. Anthrax)

-Rapid clinical and environmental identification and tracking of pathogens in field conditions

-Prevents unnecessary patient aeromedical evacuation

-Reduces lift requirements

-Critical modernization initiative for AEF Expeditionary Medical Support

-Funds real-time capture and analysis of AEF patient data resulting from exposures to bacteria, viruses, TICs/TIMs, fung i-supports EMEDS



Other Sources of Agile Combat Support Modernization Funding

- Congressional -- NBC
- Federal Agencies -- DARPA, DTRA
- CINC Funds -- Command And Control Integration Program (C2IP)
- Air Force -- Productivity, Reliability, Availability, and Maintainability Program (PRAM)



Requirements Development

- Our Guiding Policy:
 - CJCSI 3170.01A, “Requirements Generation System”
 - AFPD 10-6, “Mission Needs and Operational Requirements”
 - AFI 10-601, “Air Force Mission Needs and Operational Requirements”



Lead MAJCOM Designation

- ACC/SG “Lead Command” for Medical NBC Defense and Ground Based Medical Systems
 - How We Impact:
 - Represent CAF CINCs in ACS and Joint Communities
 - Ensure Medical Related Requirements Receive Comprehensive and Equitable Support
 - Develop and Coordinate Requirements
 - Plan, Program, and Budget for Same



Active ORD Development Role

- ACC/SG Sponsors/Advocates:
 - Joint Biological Agent Identification and Diagnosis System (JBAID)
 - Joint Service Fixed Site Decontamination System (JSFXD)
 - Joint Transportable Collective Protection System (JTCOPS)
 - Deployable Oxygen System (DOS)
 - Individual Water Purification



JBAID

- ACC/SG Led JBAID ORD Development Effort
 - Reusable, Portable, and Modifiable
 - Simultaneous Reliable Identification of Multiple Biological Agents of Operational Concern
 - Other Pathogens of Clinical Significance



JSFXD

- Active Member JSFXD Medical IPT:
 - Developed Block I -- Family of Application Systems
 - Developed Block II -- Decontaminants for Enclosed Systems, Medical Equipment, Facilities, Vehicles, and Personnel
- We Strongly Advocated for Decontamination of Patients with Open Wounds
 - Resulted in Block III in FY06



JTCOPS

- Active Member of This IPT
 - Advocated Medical Protective Shelter Requirements
 - Lightweight, Modular, Self-Supporting with Advanced Filtration and Reduced Power Requirements
 - Bump-Through Doors and Washable Flooring System
 - Liner for Existing Bare Base Assets



Deployable Oxygen System

- Replace PTLOX
 - Maintenance, Leakage Issues, Tank Rotation
- Far Forward Capability (EMEDS Support)
- Man Portable
- COTS Solution Expected



Individual Water Purification

- Forward Deployed Medics (EMEDS Support)
- Canteen Insert Device
- On-the-Spot Water From Any Source
- Chemical and Biological Contamination
- DARPA Initiative



Joint NBC Defense Requirements

- Through Our JSIG Role:
 - Coordinate Joint Planning, Doctrine Development and NBC Defense Modernization Planning
- Develop and Prioritize Joint Future Operational Capabilities (JFOCs)
 - Battle Management
 - Contamination Avoidance
 - Individual Protection
 - Collective Protection
 - Restoration Capability



Major Medical Defense JFOCs

- Casualty Care/Management:
 - Enclosed Patient Transport System
- Pretreatment/Vaccines
 - Plague/Tularemia/Anthrax
- Planning and Analysis/Reporting Management
- Stockpile Management
 - Logistical Support
- Veterinary Support
 - Preventive Medicine
- Surveillance
 - GEMS



Improving Requirements Generation Process

- ACC/SGR Impact:
 - Protect ACC, ACS, CAF, and AFMS Interests
 - JSIG AO and MPSP Working Groups
 - Reduce Requirements Documentation Cycle Time
 - Phase Requirements Matched to Technology



Bare Base Integrated Product Team (BBIPT)

- Member BBIPT:
 - Enhances Bare Base Operating Capabilities Through the CAF Modernization Process
- Examples of Key ACC/SG Impacts:
 - Integrate New Technology Systems to Satisfy Bare Basing Requirements
 - EMEDS Power Generation Support
 - Small Shelter System
 - Waste Management System



Force Protection (FP) Integrated Product Team (FPIPT)

- Member FPIPT Managing and Integrating Force Protection Medical Requirements
 - RAPIDS Resulted from ACC/SG and FP Battlelab Collaborative Effort



Issues

- Modernization Versus Sustainment
- Program Element Code (PEC)
- Requirements Coordination Process Ownership
- JSIG MPSP
- Lead MAJCOM for ACS

